POLE CAP ALLOY
43, 1/4" 20 NC SS
HEX HEAD SCREWS

4.5" OD

LOCATION OF SOLAR PANEL
IF EQUIPPED
(POST TOP SLIP FITTER
MOUNTING STYLE)

4'-0"
STRAIGHT
SECTION

W11-2-36

13'-8"
SHAFT

RECTANGULAR RAPID
FLASHING BEACON

W16-7P

TAPERED ALUM TUBE
(ALLOY 6063-T6, 0.188" WALL)

8'-8"
TAPERED
SECTION

7'
MIN

PUSH
BUTTON TO
TURN ON
WARNING
LIGHTS

R10-25

GALV STL CONNECTING HARDWARE
(4) 1"-8 NC x 3.75" HEX HEAD BOLTS
(4) 1"-8 NC HEX NUTS
(4) 1" LOCKWASHERS
(4) 1" FLATWASHERS

42"
PUSHBUTTON
MOUNTING
HEIGHT

7"
OD

6061-T6 ALUM ALLOY 13.13"
COSMETIC PLATE WHEN REQUIRED
BASE FLANGE ALLOY 356-T6
WITH BOLT COVERS & SS 1/4"
20 NC HEX HD SCREWS

12"
STRAIGHT
SECTION

(SEE NOTE 4)

17"

(SEE
NOTE 6)

BC=
14.5"

10.25"
SQ.

(SEE NOTE 3
AND NOTE 8)

ANCHOR BOLT PATTERN

15.1' PEDESTAL
RRFB ASSEMBLY

NOTES:

1. PEDESTAL SUPPORTS SHALL BE COATED IN ACCORDANCE WITH THE PLANS.

2. PEDESTAL SUPPORTS SHALL BE DESIGNED FOR 90 MPH WINDS, APPROPRIATE GUST FACTOR AND LOADING AS PER PLAN.

3. 4 ANCHOR BOLTS SHALL BE INCLUDED WITH NUTS, LOCK WASHERS AND EIGHT (8) SHIMS. FOR ANCHOR BOLT DETAILS SEE CITY OF COLUMBUS STANDARD DRAWING 4163.

4. A 17" TRANSFORMER BASE (ALSO KNOWN AS T-BASE) AND ALL CONNECTING HARDWARE SHALL BE FURNISHED WITH EACH PEDESTAL. FOR TRANSFORMER BASE DETAILS SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4105.

5. THE PEDESTAL SHALL BE FURNISHED AND INSTALLED WITH A POLE SHAFT THAT HAS A COMBINED TAPERED-STRAIGHT CROSS-SECTIONAL DESIGN AND A ONE-PIECE CONSTRUCTION WITH NO LONGITUDINAL OR CIRCUMFERENTIAL WELDS EXCEPT FOR THE WELD NEEDED TO ATTACH THE POLE BASE. THE POLE SHAFT SHALL HAVE A ROUND CROSS-SECTIONAL DESIGN.

6. THE POLE BASE SHALL TELESCOPE THE POLE SHAFT. THE BASE SHALL BE WELDED TO THE POLE SHAFT BY 2 CIRCUMFERENTIAL WELDS: ONE ON THE OUTSIDE OF THE POLE AT THE BASE TOP AND ONE ON THE INSIDE OF THE BASE AT THE POLE BOTTOM.

7. 4 BOLT COVERS AND A POLE CAP SHALL BE FURNISHED AND INSTALLED WITH EACH PEDESTAL. THE POLE BASE PLATE SHALL BE LARGE ENOUGH TO FIT OVER ALL OF THE T-BASE TOP OPENINGS. USING AN ALUMINUM FILLER PLATE ON TOP OF THE T-BASE TO COVER ANY OPENING IS ACCEPTABLE. THE FILLER PLATE SHALL BE MANUFACTURED TO FIT THE T-BASE TOP EXACTLY AND BE AT LEAST 1/8 INCH THICK AND MADE FROM 5052-H32 ALLOY. BOTH SIDES AND THE EDGES OF THE FILLER PLATE SHALL BE COATED TO MATCH THE POLE AND T-BASE.

8. DEPTH OF CONCRETE FOUNDATION SHALL BE 4 FEET. FOR FOUNDATION DETAILS SEE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWING 4163.

15.1' PEDESTAL RRFB ASSEMBLY

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

STD DWG

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